

02105769 CAPE FEAR RIVER AT LOCK 1 NEAR KELLY, NC—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1956 to 1996, September 1999, 2003 to December 2004 (discontinued).

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: January 1973 to September 1984, September 2003 to December 2004.

SALINITY: September 2003 to December 2004.

pH: September 2003 to December 2004.

WATER TEMPERATURE: January 1973 to September 1984, September 2003 to December 2004.

DISSOLVED OXYGEN: September 2003 to December 2004.

DISSOLVED OXYGEN, PERCENT SATURATION: September 2003 to December 2004.

INSTRUMENTATION.--Water-quality monitor from May 1973 to September 1984 and September 2003 to December 2004.

REMARKS.--Station operated as part of NASQAN network from January 1973 to 1995. Station currently operated in cooperation with the North Carolina Department of Environment and Natural Resources. Daily records of specific conductance for period October 1956 to September 1961 are available in the files of the District office in Raleigh. During period 1956-73, data were collected at bridge on State Highway 11 located 2 mi downstream and published as Cape Fear River near Acme (station 02105771). Salinity and dissolved oxygen, percent saturation are computed. The salinity is computed from specific conductance using the conversion from U.S. Geological Survey Water-Supply Paper 2311. The dissolved oxygen, percent saturation is computed using a barometric pressure of 760 mm of Hg.

EXTREMES FOR PERIOD OF DAILY RECORD.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SPECIFIC CONDUCTANCE, microsiemens	317, October 19, 20, 1976	40, June 26, 1973
SALINITY, ppt	0.07, on several days during the period	0.02, September 3, 11, 12, 22, 2004
pH, standard units	7.4, April 12, 13, 2004	6.0, June 16, 2004
WATER TEMPERATURE, °C	32.0, July 9, 19, 20, 21, 1977, August 10, 1979	0.5, January 24, 1976
DISSOLVED OXYGEN, mg/L	11.9, December 13, 2003	4.7, June 3, 2004, September 15, 16, 2004
DISSOLVED OXYGEN, PERCENT SATURATION,%	101, December 13, 2003	5.6, September 15, 16, 2004

EXTREMES FOR CURRENT PERIOD.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SPECIFIC CONDUCTANCE, microsiemens	178, August 7, 2004	61, September 3, 11, 2004
SALINITY, ppt	0.07, on several days during the period	0.02, September 3, 11, 12, 22, 2004
pH, standard units	7.4, April 12, 13, 2003	6.0, June 16, 2004
WATER TEMPERATURE, °C	31.2, July 15, 16, 2004	3.9, February 2, 2004
DISSOLVED OXYGEN, mg/L	11.9, December 13, 2003	4.7, June 3, 2004, September 15, 16, 2004
DISSOLVED OXYGEN, PERCENT SATURATION,%	101, December 13, 2003	56, September 15, 16, 2004

CAPE FEAR RIVER BASIN

02105769 CAPE FEAR RIVER AT LOCK 1 NEAR KELLY, NC—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	112	107	110	---	---	---	153	150	152	114	74	90
2	113	108	112	---	---	---	153	146	151	98	64	79
3	113	104	107	---	---	---	146	127	135	66	61	63
4	105	102	104	---	---	---	147	127	136	75	66	71
5	103	100	101	---	---	---	157	146	151	85	71	78
6	108	100	103	---	---	---	176	157	168	94	85	89
7	110	108	109	---	---	---	178	166	173	98	94	96
8	117	110	113	---	---	---	167	157	161	101	97	99
9	---	---	---	---	---	---	158	147	151	103	100	101
10	---	---	---	---	---	---	149	147	148	104	69	84
11	---	---	---	---	---	---	152	149	150	84	61	66
12	---	---	---	---	---	---	153	148	151	79	62	69
13	---	---	---	---	---	---	153	144	149	75	69	70
14	---	---	---	---	---	---	146	120	133	85	71	79
15	---	---	---	149	144	146	122	108	116	90	85	87
16	---	---	---	154	145	150	134	105	115	98	90	94
17	---	---	---	156	154	155	139	101	126	102	97	100
18	---	---	---	156	154	155	101	68	83	102	95	99
19	---	---	---	156	153	155	74	67	70	96	91	94
20	---	---	---	154	149	151	79	74	77	91	78	85
21	---	---	---	152	149	150	92	78	82	78	74	75
22	---	---	---	153	148	151	108	92	102	74	62	67
23	---	---	---	148	133	141	126	106	113	78	73	77
24	---	---	---	133	127	130	137	126	133	88	78	83
25	---	---	---	141	129	135	137	116	127	105	88	98
26	---	---	---	145	140	142	118	116	117	110	105	108
27	---	---	---	149	144	147	120	116	117	110	108	109
28	---	---	---	150	148	149	124	120	122	108	106	107
29	---	---	---	150	147	148	125	124	124	111	106	109
30	---	---	---	148	142	145	125	118	122	114	109	112
31	---	---	---	153	144	150	119	110	114	---	---	---
MONTH	---	---	---	---	---	---	178	67	128	114	61	88

02105769 CAPE FEAR RIVER AT LOCK 1 NEAR KELLY, NC—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	109	93	99	120	120	120	122	122	122	---	---	---
2	124	93	113	120	120	120	123	112	115	---	---	---
3	106	80	89	120	120	120	---	---	---	---	---	---
4	93	80	88	120	120	120	---	---	---	---	---	---
5	102	93	97	120	120	120	---	---	---	---	---	---
6	102	99	101	130	120	128	---	---	---	---	---	---
7	100	96	97	130	130	130	---	---	---	---	---	---
8	103	100	102	130	130	130	---	---	---	---	---	---
9	108	103	105	130	130	130	---	---	---	---	---	---
10	109	107	108	130	130	130	---	---	---	---	---	---
11	109	107	108	131	121	130	---	---	---	---	---	---
12	108	107	108	122	120	121	---	---	---	---	---	---
13	110	108	109	122	122	122	---	---	---	---	---	---
14	109	106	108	123	122	122	---	---	---	---	---	---
15	107	103	105	123	123	123	---	---	---	---	---	---
16	108	105	107	124	123	124	---	---	---	---	---	---
17	109	107	108	124	94	119	---	---	---	---	---	---
18	108	103	106	105	94	99	---	---	---	---	---	---
19	104	100	102	136	105	118	---	---	---	---	---	---
20	103	100	101	176	136	161	---	---	---	---	---	---
21	110	100	103	176	156	162	---	---	---	---	---	---
22	---	---	---	157	147	150	---	---	---	---	---	---
23	---	---	---	148	137	147	---	---	---	---	---	---
24	---	---	---	148	138	142	---	---	---	---	---	---
25	---	---	---	139	138	139	---	---	---	---	---	---
26	110	110	110	139	139	139	---	---	---	---	---	---
27	110	110	110	140	130	135	---	---	---	---	---	---
28	110	110	110	130	120	127	---	---	---	---	---	---
29	120	110	119	121	121	121	---	---	---	---	---	---
30	120	120	120	122	111	118	---	---	---	---	---	---
31	120	120	120	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	176	94	129	---	---	---	---	---	---

CAPE FEAR RIVER BASIN

02105769 CAPE FEAR RIVER AT LOCK 1 NEAR KELLY, NC—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN									
1	0.04	0.04	0.04	---	---	---	0.06	0.06	0.06	0.05	0.03	0.04
2	0.05	0.04	0.04	---	---	---	0.06	0.06	0.06	0.04	0.03	0.03
3	0.05	0.04	0.04	---	---	---	0.06	0.05	0.05	0.03	0.02	0.03
4	0.04	0.04	0.04	---	---	---	0.06	0.05	0.05	0.03	0.03	0.03
5	0.04	0.04	0.04	---	---	---	0.06	0.06	0.06	0.03	0.03	0.03
6	0.04	0.04	0.04	---	---	---	0.07	0.06	0.07	0.04	0.03	0.04
7	0.04	0.04	0.04	---	---	---	0.07	0.07	0.07	0.04	0.04	0.04
8	0.05	0.04	0.05	---	---	---	0.07	0.06	0.06	0.04	0.04	0.04
9	---	---	---	---	---	---	0.06	0.06	0.06	0.04	0.04	0.04
10	---	---	---	---	---	---	0.06	0.06	0.06	0.04	0.03	0.03
11	---	---	---	---	---	---	0.06	0.06	0.06	0.03	0.02	0.03
12	---	---	---	---	---	---	0.06	0.06	0.06	0.03	0.02	0.03
13	---	---	---	---	---	---	0.06	0.06	0.06	0.03	0.03	0.03
14	---	---	---	---	---	---	0.06	0.05	0.05	0.03	0.03	0.03
15	---	---	---	0.06	0.06	0.06	0.05	0.04	0.05	0.04	0.03	0.03
16	---	---	---	0.06	0.06	0.06	0.05	0.04	0.05	0.04	0.04	0.04
17	---	---	---	0.06	0.06	0.06	0.06	0.04	0.05	0.04	0.04	0.04
18	---	---	---	0.06	0.06	0.06	0.04	0.03	0.03	0.04	0.04	0.04
19	---	---	---	0.06	0.06	0.06	0.03	0.03	0.03	0.04	0.04	0.04
20	---	---	---	0.06	0.06	0.06	0.03	0.03	0.03	0.04	0.03	0.03
21	---	---	---	0.06	0.06	0.06	0.04	0.03	0.03	0.03	0.03	0.03
22	---	---	---	0.06	0.06	0.06	0.04	0.04	0.04	0.03	0.02	0.03
23	---	---	---	0.06	0.05	0.06	0.05	0.04	0.05	0.03	0.03	0.03
24	---	---	---	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.03	0.03
25	---	---	---	0.06	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.04
26	---	---	---	0.06	0.06	0.06	0.05	0.05	0.05	0.04	0.04	0.04
27	---	---	---	0.06	0.06	0.06	0.05	0.05	0.05	0.04	0.04	0.04
28	---	---	---	0.06	0.06	0.06	0.05	0.05	0.05	0.04	0.04	0.04
29	---	---	---	0.06	0.06	0.06	0.05	0.05	0.05	0.04	0.04	0.04
30	---	---	---	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.04	0.04
31	---	---	---	0.06	0.06	0.06	0.05	0.04	0.05	---	---	---
MONTH	---	---	---	---	---	---	0.07	0.03	0.05	0.05	0.02	0.04

02105769 CAPE FEAR RIVER AT LOCK 1 NEAR KELLY, NC—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	---	---	---
2	0.05	0.04	0.05	0.05	0.05	0.05	0.05	0.04	0.05	---	---	---
3	0.04	0.03	0.04	0.05	0.05	0.05	---	---	---	---	---	---
4	0.04	0.03	0.04	0.05	0.05	0.05	---	---	---	---	---	---
5	0.04	0.04	0.04	0.05	0.05	0.05	---	---	---	---	---	---
6	0.04	0.04	0.04	0.05	0.05	0.05	---	---	---	---	---	---
7	0.04	0.04	0.04	0.05	0.05	0.05	---	---	---	---	---	---
8	0.04	0.04	0.04	0.05	0.05	0.05	---	---	---	---	---	---
9	0.04	0.04	0.04	0.05	0.05	0.05	---	---	---	---	---	---
10	0.04	0.04	0.04	0.05	0.05	0.05	---	---	---	---	---	---
11	0.04	0.04	0.04	0.05	0.05	0.05	---	---	---	---	---	---
12	0.04	0.04	0.04	0.05	0.05	0.05	---	---	---	---	---	---
13	0.04	0.04	0.04	0.05	0.05	0.05	---	---	---	---	---	---
14	0.04	0.04	0.04	0.05	0.05	0.05	---	---	---	---	---	---
15	0.04	0.04	0.04	0.05	0.05	0.05	---	---	---	---	---	---
16	0.04	0.04	0.04	0.05	0.05	0.05	---	---	---	---	---	---
17	0.04	0.04	0.04	0.05	0.04	0.05	---	---	---	---	---	---
18	0.04	0.04	0.04	0.04	0.04	0.04	---	---	---	---	---	---
19	0.04	0.04	0.04	0.05	0.04	0.05	---	---	---	---	---	---
20	0.04	0.04	0.04	0.07	0.05	0.06	---	---	---	---	---	---
21	0.04	0.04	0.04	0.07	0.06	0.06	---	---	---	---	---	---
22	---	---	---	0.06	0.06	0.06	---	---	---	---	---	---
23	---	---	---	0.06	0.05	0.06	---	---	---	---	---	---
24	---	---	---	0.06	0.06	0.06	---	---	---	---	---	---
25	---	---	---	0.06	0.06	0.06	---	---	---	---	---	---
26	0.04	0.04	0.04	0.06	0.06	0.06	---	---	---	---	---	---
27	0.04	0.04	0.04	0.06	0.05	0.05	---	---	---	---	---	---
28	0.04	0.04	0.04	0.05	0.05	0.05	---	---	---	---	---	---
29	0.05	0.04	0.05	0.05	0.05	0.05	---	---	---	---	---	---
30	0.05	0.05	0.05	0.05	0.04	0.05	---	---	---	---	---	---
31	0.05	0.05	0.05	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	0.07	0.04	0.05	---	---	---	---	---	---

CAPE FEAR RIVER BASIN

02105769 CAPE FEAR RIVER AT LOCK 1 NEAR KELLY, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN									
1	6.7	6.4	6.5	---	---	---	6.8	6.6	6.7	6.6	6.4	6.5
2	6.6	6.3	6.5	---	---	---	6.9	6.7	6.8	6.5	6.2	6.4
3	6.5	6.3	6.4	---	---	---	6.8	6.6	6.7	6.2	6.1	6.2
4	6.4	6.3	6.3	---	---	---	6.8	6.6	6.7	6.3	6.2	6.3
5	6.4	6.2	6.3	---	---	---	7.0	6.7	6.9	6.4	6.2	6.3
6	6.4	6.2	6.3	---	---	---	7.1	6.9	7.0	6.4	6.2	6.3
7	6.5	6.4	6.4	---	---	---	7.0	6.8	7.0	6.5	6.3	6.3
8	6.5	6.4	6.4	---	---	---	7.0	6.8	6.9	6.5	6.3	6.4
9	---	---	---	---	---	---	7.0	6.8	6.9	6.8	6.3	6.6
10	---	---	---	---	---	---	7.0	6.8	6.9	6.8	6.5	6.6
11	---	---	---	---	---	---	7.0	6.8	6.9	6.6	6.3	6.4
12	---	---	---	---	---	---	7.0	6.8	6.9	6.5	6.3	6.4
13	---	---	---	---	---	---	7.1	6.8	6.9	6.5	6.4	6.4
14	---	---	---	---	---	---	6.9	6.6	6.8	6.6	6.5	6.6
15	---	---	---	7.2	6.6	6.9	6.8	6.5	6.6	6.6	6.4	6.5
16	---	---	---	7.2	6.8	7.0	6.7	6.4	6.6	6.5	6.4	6.5
17	---	---	---	7.1	6.8	6.9	6.8	6.6	6.7	6.6	6.4	6.5
18	---	---	---	7.0	6.8	6.9	6.6	6.3	6.4	6.7	6.5	6.6
19	---	---	---	7.0	6.8	6.9	6.3	6.1	6.3	6.8	6.6	6.7
20	---	---	---	7.0	6.8	6.9	6.4	6.3	6.3	6.8	6.6	6.7
21	---	---	---	7.0	6.7	6.8	6.6	6.4	6.5	6.6	6.5	6.6
22	---	---	---	7.0	6.7	6.8	6.7	6.5	6.5	6.7	6.4	6.6
23	---	---	---	6.9	6.7	6.8	6.7	6.5	6.6	6.7	6.5	6.6
24	---	---	---	6.9	6.6	6.7	6.8	6.6	6.8	6.8	6.6	6.7
25	---	---	---	6.8	6.6	6.7	6.9	6.6	6.7	6.8	6.6	6.7
26	---	---	---	6.8	6.6	6.7	6.8	6.6	6.7	6.8	6.7	6.8
27	---	---	---	6.8	6.6	6.7	6.8	6.6	6.6	6.8	6.7	6.8
28	---	---	---	6.8	6.6	6.7	6.8	6.6	6.6	6.8	6.7	6.7
29	---	---	---	6.8	6.6	6.7	6.8	6.6	6.6	6.8	6.7	6.7
30	---	---	---	6.8	6.6	6.7	6.7	6.6	6.6	6.8	6.7	6.7
31	---	---	---	6.9	6.6	6.7	6.7	6.5	6.6	---	---	---
MONTH	---	---	---	---	---	---	7.1	6.1	6.7	6.8	6.1	6.5

02105769 CAPE FEAR RIVER AT LOCK 1 NEAR KELLY, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
 WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN									
1	6.8	6.7	6.7	6.8	6.6	6.7	7.0	6.8	6.9	---	---	---
2	7.0	6.8	6.9	6.9	6.7	6.8	7.0	6.8	6.9	---	---	---
3	6.8	6.6	6.7	6.9	6.7	6.8	---	---	---	---	---	---
4	6.8	6.6	6.7	6.9	6.7	6.8	---	---	---	---	---	---
5	6.9	6.8	6.8	6.9	6.6	6.8	---	---	---	---	---	---
6	6.9	6.8	6.8	6.8	6.6	6.7	---	---	---	---	---	---
7	6.9	6.7	6.8	6.8	6.6	6.7	---	---	---	---	---	---
8	7.0	6.8	6.9	6.8	6.6	6.7	---	---	---	---	---	---
9	7.0	6.8	6.9	6.8	6.6	6.7	---	---	---	---	---	---
10	7.0	6.8	6.9	6.9	6.6	6.8	---	---	---	---	---	---
11	7.0	6.8	6.8	6.8	6.6	6.7	---	---	---	---	---	---
12	7.0	6.8	6.8	6.8	6.6	6.7	---	---	---	---	---	---
13	6.9	6.8	6.8	6.8	6.6	6.7	---	---	---	---	---	---
14	6.9	6.8	6.8	6.8	6.6	6.7	---	---	---	---	---	---
15	6.9	6.8	6.8	6.9	6.6	6.8	---	---	---	---	---	---
16	6.9	6.8	6.8	6.9	6.7	6.8	---	---	---	---	---	---
17	7.0	6.8	6.8	6.9	6.5	6.8	---	---	---	---	---	---
18	6.9	6.8	6.8	6.8	6.5	6.6	---	---	---	---	---	---
19	6.9	6.8	6.8	7.0	6.6	6.8	---	---	---	---	---	---
20	6.9	6.8	6.8	7.1	6.9	7.0	---	---	---	---	---	---
21	6.9	6.7	6.8	7.1	7.0	7.1	---	---	---	---	---	---
22	---	---	---	7.1	6.9	7.0	---	---	---	---	---	---
23	---	---	---	7.1	6.8	7.0	---	---	---	---	---	---
24	---	---	---	7.0	6.8	6.9	---	---	---	---	---	---
25	---	---	---	7.0	6.8	6.9	---	---	---	---	---	---
26	7.0	6.7	6.9	7.0	6.8	6.9	---	---	---	---	---	---
27	7.0	6.6	6.8	7.0	6.8	6.9	---	---	---	---	---	---
28	6.9	6.6	6.8	7.0	6.7	6.9	---	---	---	---	---	---
29	6.8	6.6	6.8	6.9	6.7	6.8	---	---	---	---	---	---
30	6.8	6.6	6.7	6.9	6.7	6.8	---	---	---	---	---	---
31	6.8	6.6	6.7	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	7.1	6.5	6.8	---	---	---	---	---	---

CAPE FEAR RIVER BASIN

02105769 CAPE FEAR RIVER AT LOCK 1 NEAR KELLY, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN									
1	28.5	27.8	28.1	---	---	---	29.5	29.3	29.4	26.6	25.3	25.9
2	28.6	28.0	28.2	---	---	---	29.3	28.6	28.9	25.4	24.4	24.9
3	28.6	27.9	28.2	---	---	---	28.6	28.2	28.3	24.8	24.4	24.5
4	28.5	28.1	28.3	---	---	---	28.9	28.1	28.5	24.8	24.4	24.6
5	28.5	27.9	28.2	---	---	---	29.6	28.8	29.1	24.9	24.4	24.6
6	28.4	27.9	28.1	---	---	---	29.3	28.8	29.1	24.9	24.7	24.8
7	28.5	28.0	28.2	---	---	---	28.8	27.5	28.1	24.9	24.7	24.8
8	28.1	27.7	27.9	---	---	---	27.5	27.0	27.3	25.4	24.9	25.1
9	---	---	---	---	---	---	27.7	27.1	27.4	25.9	25.3	25.6
10	---	---	---	---	---	---	27.8	27.2	27.5	25.8	25.2	25.4
11	---	---	---	---	---	---	28.2	27.3	27.7	25.4	24.3	24.5
12	---	---	---	---	---	---	27.9	27.3	27.6	24.5	24.1	24.3
13	---	---	---	---	---	---	27.4	26.9	27.2	24.4	24.1	24.2
14	---	---	---	---	---	---	26.9	25.6	26.2	24.2	24.0	24.1
15	---	---	---	31.2	30.2	30.7	25.6	24.8	25.2	24.2	24.0	24.1
16	---	---	---	31.2	30.2	30.7	25.0	24.4	24.7	24.2	23.9	24.1
17	---	---	---	30.7	30.1	30.4	25.0	24.1	24.8	24.8	24.2	24.4
18	---	---	---	30.4	29.7	30.1	24.1	23.4	23.6	24.6	24.0	24.3
19	---	---	---	30.3	29.4	29.7	24.2	23.3	23.7	24.0	23.5	23.7
20	---	---	---	30.3	29.4	29.8	25.1	24.2	24.6	23.5	23.1	23.2
21	---	---	---	30.1	29.3	29.7	26.3	25.1	25.7	23.1	22.5	22.8
22	---	---	---	30.2	29.3	29.7	26.2	25.7	25.9	22.6	21.8	22.1
23	---	---	---	30.3	29.5	29.8	26.5	25.7	26.1	21.8	21.5	21.7
24	---	---	---	30.5	29.5	29.9	26.8	26.2	26.5	21.8	21.3	21.6
25	---	---	---	30.1	29.6	29.8	26.7	26.3	26.5	22.3	21.7	22.0
26	---	---	---	30.2	29.5	29.8	26.6	26.4	26.5	22.6	22.2	22.4
27	---	---	---	30.4	29.6	29.9	26.8	26.4	26.6	23.0	22.4	22.7
28	---	---	---	30.0	29.6	29.8	27.1	26.5	26.7	23.3	23.0	23.1
29	---	---	---	29.8	29.4	29.6	26.9	26.6	26.7	23.5	23.0	23.2
30	---	---	---	29.8	29.2	29.5	27.0	26.4	26.6	23.5	23.2	23.4
31	---	---	---	29.9	29.3	29.5	26.7	26.4	26.6	---	---	---
MONTH	---	---	---	---	---	---	29.6	23.3	26.8	26.6	21.3	23.9

02105769 CAPE FEAR RIVER AT LOCK 1 NEAR KELLY, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	23.4	23.1	23.3	19.6	18.9	19.2	13.2	12.1	12.7	---	---	---
2	23.4	22.9	23.2	19.8	19.1	19.4	12.1	11.7	11.9	---	---	---
3	22.9	22.5	22.7	19.9	19.3	19.6	---	---	---	---	---	---
4	23.0	22.5	22.7	20.0	19.5	19.7	---	---	---	---	---	---
5	22.9	22.4	22.7	19.8	19.2	19.5	---	---	---	---	---	---
6	22.8	22.1	22.4	19.3	18.8	19.0	---	---	---	---	---	---
7	22.1	21.8	22.0	18.8	18.4	18.6	---	---	---	---	---	---
8	21.9	21.5	21.7	18.5	18.1	18.3	---	---	---	---	---	---
9	21.8	21.5	21.7	18.1	17.4	17.7	---	---	---	---	---	---
10	22.1	21.5	21.8	17.4	16.8	17.0	---	---	---	---	---	---
11	22.1	21.6	21.8	16.8	16.5	16.7	---	---	---	---	---	---
12	21.9	21.4	21.6	16.7	16.5	16.6	---	---	---	---	---	---
13	21.9	21.4	21.6	16.6	16.0	16.4	---	---	---	---	---	---
14	21.7	21.4	21.5	16.0	15.2	15.7	---	---	---	---	---	---
15	21.4	21.0	21.2	15.2	14.0	14.5	---	---	---	---	---	---
16	21.0	20.3	20.5	14.0	12.8	13.5	---	---	---	---	---	---
17	20.3	19.9	20.1	12.9	12.4	12.7	---	---	---	---	---	---
18	20.4	19.9	20.1	12.7	12.0	12.2	---	---	---	---	---	---
19	20.6	20.0	20.2	12.2	11.7	11.9	---	---	---	---	---	---
20	20.8	20.3	20.5	12.7	12.2	12.5	---	---	---	---	---	---
21	20.6	20.4	20.5	13.2	12.6	12.9	---	---	---	---	---	---
22	---	---	---	13.7	13.2	13.4	---	---	---	---	---	---
23	---	---	---	14.0	13.6	13.8	---	---	---	---	---	---
24	---	---	---	14.7	14.0	14.3	---	---	---	---	---	---
25	---	---	---	15.1	14.7	14.9	---	---	---	---	---	---
26	18.8	18.4	18.7	15.0	14.6	14.8	---	---	---	---	---	---
27	18.6	18.2	18.4	14.6	14.3	14.5	---	---	---	---	---	---
28	18.6	18.3	18.4	14.7	14.5	14.6	---	---	---	---	---	---
29	18.5	18.3	18.4	14.6	14.1	14.3	---	---	---	---	---	---
30	18.8	18.3	18.5	14.1	13.2	13.6	---	---	---	---	---	---
31	19.3	18.5	18.9	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	20.0	11.7	15.7	---	---	---	---	---	---

CAPE FEAR RIVER BASIN

02105769 CAPE FEAR RIVER AT LOCK 1 NEAR KELLY, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN									
1	6.6	5.3	6.2	---	---	---	6.8	5.7	6.4	7.3	6.1	6.8
2	6.0	4.8	5.2	---	---	---	7.0	6.6	6.8	6.1	5.4	5.9
3	6.3	4.7	5.3	---	---	---	6.8	6.3	6.6	6.1	5.8	5.9
4	5.9	4.9	5.2	---	---	---	6.7	6.0	6.4	6.4	6.1	6.3
5	6.4	5.0	5.4	---	---	---	---	---	---	6.5	6.0	6.3
6	6.4	5.1	5.7	---	---	---	---	---	---	6.4	5.9	6.1
7	6.8	5.9	6.3	---	---	---	---	---	---	6.7	5.5	6.0
8	6.6	5.9	6.1	---	---	---	---	---	---	6.7	5.5	6.0
9	---	---	---	---	---	---	---	---	---	7.2	6.1	6.9
10	---	---	---	---	---	---	---	---	---	7.0	5.6	6.4
11	---	---	---	---	---	---	---	---	---	5.7	5.3	5.4
12	---	---	---	---	---	---	---	---	---	5.4	5.2	5.3
13	---	---	---	---	---	---	---	---	---	5.5	5.2	5.4
14	---	---	---	---	---	---	---	---	---	5.4	5.2	5.4
15	---	---	---	6.9	5.4	6.4	---	---	---	5.3	4.7	4.9
16	---	---	---	7.3	6.2	6.8	---	---	---	5.4	4.7	5.1
17	---	---	---	6.8	6.4	6.7	---	---	---	6.0	5.4	5.7
18	---	---	---	6.7	6.2	6.5	---	---	---	7.0	6.0	6.5
19	---	---	---	6.9	6.1	6.5	---	---	---	7.4	6.9	7.1
20	---	---	---	7.3	6.2	6.7	7.2	6.8	7.1	7.5	7.1	7.3
21	---	---	---	7.4	6.4	6.9	7.2	6.8	7.1	7.5	7.1	7.3
22	---	---	---	7.3	6.4	6.9	6.9	6.7	6.8	8.0	7.4	7.8
23	---	---	---	7.1	6.2	6.7	7.0	6.7	6.8	8.0	7.7	7.9
24	---	---	---	7.0	6.2	6.6	7.2	6.9	7.1	8.0	7.8	7.9
25	---	---	---	7.0	6.2	6.5	7.2	7.0	7.1	8.0	7.7	7.8
26	---	---	---	7.0	6.1	6.5	7.2	6.7	7.0	7.9	7.6	7.8
27	---	---	---	6.8	5.9	6.3	7.0	6.4	6.8	7.8	7.4	7.6
28	---	---	---	6.4	5.4	6.0	6.9	6.2	6.5	7.6	7.4	7.5
29	---	---	---	6.7	5.4	6.1	6.8	6.1	6.4	7.8	7.4	7.6
30	---	---	---	7.1	5.6	6.4	7.0	6.2	6.5	7.8	7.5	7.7
31	---	---	---	7.2	5.6	6.5	7.3	6.6	7.1	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	8.0	4.7	6.6

02105769 CAPE FEAR RIVER AT LOCK 1 NEAR KELLY, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	8.0	7.6	7.7	8.1	7.6	7.8	10.0	9.5	9.7	---	---	---
2	7.8	7.6	7.7	8.1	7.6	7.8	10.1	9.9	10.0	---	---	---
3	7.6	7.4	7.5	8.0	7.6	7.7	---	---	---	---	---	---
4	7.8	7.5	7.7	8.0	7.6	7.7	---	---	---	---	---	---
5	7.9	7.7	7.8	8.1	7.7	7.8	---	---	---	---	---	---
6	8.0	7.7	7.9	8.1	7.7	7.8	---	---	---	---	---	---
7	8.2	7.8	8.1	8.1	7.7	7.9	---	---	---	---	---	---
8	8.4	8.1	8.2	8.2	7.7	7.9	---	---	---	---	---	---
9	8.4	7.8	8.2	8.3	7.8	8.1	---	---	---	---	---	---
10	8.2	7.8	8.0	8.4	7.7	8.0	---	---	---	---	---	---
11	8.2	7.7	7.9	8.2	7.7	7.9	---	---	---	---	---	---
12	8.1	7.7	7.8	8.2	7.8	7.9	---	---	---	---	---	---
13	7.8	7.5	7.6	8.6	7.8	8.1	---	---	---	---	---	---
14	7.8	7.4	7.5	8.8	8.2	8.5	---	---	---	---	---	---
15	8.0	7.3	7.6	9.1	8.6	8.8	---	---	---	---	---	---
16	8.3	7.9	8.1	9.5	9.0	9.3	---	---	---	---	---	---
17	8.6	8.2	8.3	9.6	9.2	9.5	---	---	---	---	---	---
18	8.6	8.0	8.3	9.7	9.3	9.5	---	---	---	---	---	---
19	8.4	7.8	8.0	9.8	9.7	9.8	---	---	---	---	---	---
20	8.2	7.6	7.9	9.8	9.6	9.6	---	---	---	---	---	---
21	8.2	7.3	7.6	9.8	9.4	9.6	---	---	---	---	---	---
22	---	---	---	9.5	9.2	9.4	---	---	---	---	---	---
23	---	---	---	9.4	9.1	9.3	---	---	---	---	---	---
24	---	---	---	9.2	8.8	9.0	---	---	---	---	---	---
25	---	---	---	9.0	8.8	8.9	---	---	---	---	---	---
26	7.8	7.5	7.6	9.1	8.9	9.0	---	---	---	---	---	---
27	7.9	7.6	7.8	9.2	8.9	9.0	---	---	---	---	---	---
28	8.0	7.7	7.8	9.1	8.9	9.0	---	---	---	---	---	---
29	8.0	7.7	7.8	9.2	9.0	9.1	---	---	---	---	---	---
30	8.1	7.7	7.8	9.6	9.1	9.3	---	---	---	---	---	---
31	8.1	7.7	7.8	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	9.8	7.6	8.6	---	---	---	---	---	---

CAPE FEAR RIVER BASIN

02105769 CAPE FEAR RIVER AT LOCK 1 NEAR KELLY, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN									
1	85	68	79	---	---	---	89	75	84	91	74	84
2	77	62	67	---	---	---	91	86	89	74	66	71
3	81	60	69	---	---	---	88	81	85	74	70	72
4	76	63	67	---	---	---	87	78	82	77	74	75
5	82	64	69	---	---	---	---	---	---	78	73	76
6	82	65	74	---	---	---	---	---	---	77	71	74
7	88	76	81	---	---	---	---	---	---	81	67	73
8	85	75	78	---	---	---	---	---	---	82	67	74
9	---	---	---	---	---	---	---	---	---	88	75	84
10	---	---	---	---	---	---	---	---	---	86	68	79
11	---	---	---	---	---	---	---	---	---	70	64	65
12	---	---	---	---	---	---	---	---	---	65	62	64
13	---	---	---	---	---	---	---	---	---	66	62	64
14	---	---	---	---	---	---	---	---	---	65	62	64
15	---	---	---	93	72	86	---	---	---	63	56	58
16	---	---	---	99	83	91	---	---	---	65	56	60
17	---	---	---	91	85	89	---	---	---	73	65	69
18	---	---	---	90	82	86	---	---	---	83	72	77
19	---	---	---	92	80	86	---	---	---	88	82	85
20	---	---	---	96	81	88	88	81	86	88	83	86
21	---	---	---	98	84	92	88	84	87	87	83	85
22	---	---	---	97	84	92	85	82	84	92	86	89
23	---	---	---	94	82	88	87	83	85	91	88	90
24	---	---	---	93	82	87	90	86	88	91	88	90
25	---	---	---	93	82	86	90	87	89	92	89	90
26	---	---	---	93	80	86	90	84	87	92	88	90
27	---	---	---	91	78	84	88	80	84	90	87	89
28	---	---	---	85	71	79	87	78	82	89	87	88
29	---	---	---	88	71	81	85	76	81	92	87	89
30	---	---	---	94	74	84	88	77	81	92	88	91
31	---	---	---	95	74	86	91	83	88	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	92	56	78

02105769 CAPE FEAR RIVER AT LOCK 1 NEAR KELLY, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN									
1	94	89	91	88	83	85	93	90	92	---	---	---
2	91	89	90	88	82	85	94	92	93	---	---	---
3	89	86	87	88	83	85	---	---	---	---	---	---
4	91	87	89	88	83	84	---	---	---	---	---	---
5	92	89	90	89	84	85	---	---	---	---	---	---
6	92	89	91	88	83	85	---	---	---	---	---	---
7	94	90	93	87	82	84	---	---	---	---	---	---
8	96	92	94	88	82	85	---	---	---	---	---	---
9	96	89	93	88	83	85	---	---	---	---	---	---
10	94	89	91	87	80	83	---	---	---	---	---	---
11	94	88	90	85	79	81	---	---	---	---	---	---
12	92	87	89	84	80	81	---	---	---	---	---	---
13	88	85	87	88	80	83	---	---	---	---	---	---
14	89	84	86	88	83	86	---	---	---	---	---	---
15	90	83	86	88	85	86	---	---	---	---	---	---
16	92	88	90	90	87	89	---	---	---	---	---	---
17	95	91	92	91	87	89	---	---	---	---	---	---
18	95	88	91	90	87	89	---	---	---	---	---	---
19	93	87	89	91	90	91	---	---	---	---	---	---
20	92	85	88	92	90	91	---	---	---	---	---	---
21	92	81	85	92	90	91	---	---	---	---	---	---
22	---	---	---	91	89	90	---	---	---	---	---	---
23	---	---	---	91	88	90	---	---	---	---	---	---
24	---	---	---	90	87	89	---	---	---	---	---	---
25	---	---	---	89	87	88	---	---	---	---	---	---
26	84	81	82	90	88	89	---	---	---	---	---	---
27	85	81	83	90	88	88	---	---	---	---	---	---
28	86	82	84	90	88	89	---	---	---	---	---	---
29	85	82	83	90	88	89	---	---	---	---	---	---
30	86	83	84	92	88	90	---	---	---	---	---	---
31	87	82	84	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	92	79	87	---	---	---	---	---	---